

**Ackerman, Joyce**

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**From:** Thomas J. Krasovec <TKrasovec@Geosyntec.com>  
**Sent:** Tuesday, February 27, 2018 7:39 AM  
**To:** Ackerman, Joyce  
**Cc:** Jonathan H. Steeler; Dave Folkes  
**Subject:** Estimated quantities  
**Attachments:** ESTIMATED QUANTITY OF SOILS TO BE REMOVED FROM EXCAVATIONS.pdf

Joyce,

Attached is a memo on the estimated quantities of soils above and in-situ that exceeds the 100 ppm PID criteria. Drawings are getting cleaned up and I will forward as soon as possible. Please let me know if you have any questions.

Thanks TJK

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## ESTIMATED QUANTITY OF SOILS TO BE REMOVED FROM EXCAVATIONS

The following estimated quantities are based on the test pits completed in each of the Phases, daily field reports, surveying conducted on Saturday February 17, 2018, laboratory testing, including preliminary analytical results and our preliminary interpretation of the data. We are currently preparing plan and profile views showing our interpretation, general test pit information, estimated depths of soils exceeding 100 ppm on a PID per the AOC and the depth to bedrock when encountered. Based on our review the following estimated quantities of soils remaining in the excavations and the roll off bins on site are as follows:

Approximately 700 tons in roll-off bins with soil from 2A and 2B still on site.

Approximately 1000 cu.yds. remaining in 2A.

Approximately 2500 cu.yds remaining in 2B.

Approximately 4000 cu.yds. in piles around Phase 1.

Approximately 3500 cu. yds. Remaining in Phase 1.

Remaining cubic yards are insitu estimates and do not include a bulking factor related to excavation. In addition, these quantities are being refined as the field data is placed on the surveyed maps. The tons of soil in roll off bins are estimated based on previous information related to transport and disposal of similar roll off bins.

Additional surveying is being scheduled to update the current information and include the existing above grade soil piles at the Phase 1 and 2B locations. As such the estimated quantities will be adjusted once the surveying information is available for mapping.